

# Claims

- [c1] 1.A radome for a reflector antenna, comprising:  
a radome with a conductive ring having an inward facing edge  
proximate a periphery of the radome.
- [c2] 2.The apparatus of claim 1, wherein the conductive ring extends from an  
inside surface to an outside surface, around a periphery of the radome.
- [c3] 3.The apparatus of claim 1, wherein the conductive ring has an inner  
diameter proximate an inner diameter of a reflector dish open end.
- [c4] 4.The apparatus of claim 1, wherein the conductive ring is one of metalised,  
electrodaged, and over molded upon the radome.
- [c5] 5.The apparatus of claim 1, wherein the conductive ring is one of metal,  
metallic foil, adhesive foil and a conductive rubber coupled to the radome.

- [c6] 6.The apparatus of claim 1, wherein the conductive ring is a plurality of electrically isolated segments.
- [c7] 7.The apparatus of claim 1, further including an absorber coupled to the inside of the radome periphery.
- [c8] 8.The apparatus of claim 1, wherein the absorber is one of a foam ring and an absorbing surface coating.
- [c9] 9.The apparatus of claim 2, wherein the conductive ring on the outside surface has a smaller inner diameter than the conductive ring on the inside surface.
- [c10] 10.A method for reducing the front / back ratio of a reflector antenna, comprising the steps of:  
coupling a conductive ring having an inward facing edge to a periphery of a radome of the reflector antenna.
- [c11] 11.The method of claim 10, wherein the conductive ring is coupled to the radome by one of metalising, electrodagging, and over

molding.

[c12] 12.The method of claim 10, wherein the conductive ring is formed from a plurality of electrically isolated segments.

[c13] 13.The method of claim 10, wherein the conductive ring is coupled to the conductive ring whereby it extends around the periphery from an inside surface to an outside surface.

[c14] 14.The method of claim 13, wherein the conductive ring on the outside surface has a smaller inner diameter than the conductive ring on the inside surface.

[c15] 15.A reflector antenna, comprising:  
a sub reflector positioned to redirect an RF signal from a feed to illuminate a reflector;  
a radome adapted to cover an open distal end of the reflector; and  
a conductive ring coupled to the radome having an inward facing edge proximate a periphery of the radome.

- [c16] 16.The apparatus of claim 15, wherein the conductive ring extends from an inside surface to an outside surface, around a periphery of the radome.
- [c17] 17.The apparatus of claim 15, wherein the conductive ring has an inner diameter proximate an inner diameter of a reflector dish open end.
- [c18] 18.The apparatus of claim 15, wherein the conductive ring is one of metalised, electroplated, and over molded upon the radome.
- [c19] 19.The apparatus of claim 15, wherein the conductive ring is one of metal, metallic foil, adhesive foil and a conductive rubber coupled to the radome.